

ER-6: Reduce Oceanic Separation

Benefits, Performance and Metrics

- *Fuel/Time Savings.* Provides equipped users with fuel and time savings, more reliable and optimum routes and greater likelihood of timely granting of requests for clearance changes.
- *Flown as Filed.* Percentage of flights cleared as filed will increase. As a result, fewer altitude change or speed commands are needed because of the pilot's ability to maintain spacing and the smaller separation "bubble" required around each aircraft.
- *Route Efficiency.* The number of routes moved closer to great circle or minimal wind route are expected to increase, resulting in the reduction of fuel load as route reliability increases.
- *Block Time Index.* Lateral reductions have been shown to reduce fuel consumption, which has routinely been taken by carriers in the form of block time savings.
- *Step Climbs.* Increase in user requests granted for procedures such as step climbs.
- *Safety Benefit/Collision Risk Reduction.* Enhanced ATOP surveillance capabilities combined with CPDLC communication enhancement will enable controllers to detect and intervene when aircraft deviate from cleared track or altitude and mitigate the risk of conflict with other aircraft.